

From wang!elf.wang.com!ucsd.edu!info-hams-relay Wed Mar 6 15:45:28 1991 remote  
from tosspot  
Received: by tosspot (1.63/waf)  
via UUCP; Wed, 06 Mar 91 18:51:13 EST  
for lee  
Received: from somewhere by elf.wang.com id aa24970; Wed, 6 Mar 91 15:45:27 GMT  
Received: from ucsd.edu by uunet.UU.NET with SMTP  
(5.61/UUNET-primary-gateway) id AA03104; Wed, 6 Mar 91 10:37:31 -0500  
Received: by ucsd.edu; id AA21222  
sendmail 5.64/UCSD-2.1-sun  
Wed, 6 Mar 91 04:30:27 -0800 for nixbur!schroeder.pad  
Received: by ucsd.edu; id AA21217  
sendmail 5.64/UCSD-2.1-sun  
Wed, 6 Mar 91 04:30:24 -0800 for /usr/lib/sendmail -oc -odb -oQ/var/spool/  
lqueue -oi -finfo-hams-relay info-hams-list  
Message-Id: <9103061230.AA21217@ucsd.edu>  
Date: Wed, 6 Mar 91 04:30:22 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams-relay@ucsd.edu>  
Reply-To: Info-Hams@ucsd.edu  
Subject: Info-Hams Digest V91 #200  
To: Info-Hams@ucsd.edu

Info-Hams Digest                    Wed, 6 Mar 91                    Volume 91 : Issue 200

Today's Topics:

CQ Contesters....

Doldrums

Driving with a scanner in Michigan

Info-Hams Digest V91 #199

MAJOR SOLAR FLARE ALERT #2 - 05 MARCH (VERY HIGH SOLAR ACTIVITY)

MAJOR SOLAR FLARE ALERT - 06 MARCH (OTHER INFO INCLUDED)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>

Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Tue, 5 Mar 1991 17:50 GMT

From: "John Barry, EI7DNB (The Bandit)" <8909296%ul.ie@pucc.PRINCETON.EDU>

Subject: CQ Contesters....

To: info-hams@ucsd.edu

Hi there,

I was out in the ARRL DX with the East Cork Contest Group EI7M over the weekend. We worked over 4300 with nearly 250 multipliers. On the Sat. morning we had very high wind which resulted in most of the antennas falling down. We spent four hours on Saturday getting them back up and the operator had to work on a 7Mhz dipole because our 21Mhz beam was down..We had a good opening on 10M on Sunday night but conditions didn't seem to be as good as last year...

Does anyone out there know of any other scores/stories from the contest at the weekend. There were quite a few contestants on after the CQWW last year .....

John

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| | John Barry, EI7DNB "The Bandit" | / \/  
| (o)(o) +-----+-----+-----+ | \\\/  
( \_ ) | Uni. of Limerick | 8909296.ul.ie | (o)(o) |  
| ,---| +-----+-----+-----+ (---. )  
| / | East Cork Contest Group EI7M | | |  
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/ \-----\ | | |

Date: 5 Mar 91 20:11:16 GMT

From: sunc.osc.edu!malgudi!caen!dali.cs.montana.edu!milton!sumax!quick!thebes!  
polari!mzenier@tut.cis.ohio-state.edu (Mark Zenier)  
Subject: Doldrums  
To: info-hams@ucsd.edu

In article <738@chiton.ucsd.edu> rec@chiton (Richard Currier) writes:  
>"Packet BBS's sysops SHOULD be held responsible for all traffic that  
>passes through their systems. The amateur spectrum is wasted on computer dweebs  
>avoiding phone charges. Hold their digital feet to the fire and drive them off  
>the air."

Heck, that's the only statement you've ever made that I agree with.

Mark (The 610 is in the mail) Zenier mzenier@polaris.uucp markz@ssc.uucp

"Yea, instead of making you eat a piece of raw liver, they make [made] you learn morse code" - another participant of last saturdays VE session.

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Date: 5 Mar 91 15:31:03 GMT  
From: hpfcso!ron@hplabs.hpl.hp.com (Ron Miller)  
Subject: Driving with a scanner in Michigan  
To: info-hams@ucsd.edu

> holding a conditional, general, advanced or extra class amateur  
> license issued by the FCC ... ... shall be guilty of a misdemeanor,  
> punishable by imprisonment in the county jail not more than 1 year  
> or by a fine of not more than \$500.00 or by both ... ...  
>  
> Reading this over, I am confused as to which amateur radio license  
> one must hold to equip a vehicle with scanner. It is obvious that  
> a General class or above is allowed. But what is meant by the word  
> conditional? Does this allow Technician or Novice class?  
> Any law people out there that can help?  
>  
> Steven D. Kuo  
> sdkuo@argo.acs.oakland.edu

Conditional used to be a temporary version of General class license for folks located too far away from an FCC office to take the test (150miles or something like that).

Ron  
NW0U

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Date: Tue, 5 Mar 1991 12:00:36 PST  
From: Don\_R.\_Moberly.El\_Segundo@xerox.com  
Subject: Info-Hams Digest V91 #199  
To: Info-Hams@ucsd.edu

Hello.

I am looking for address/telephone details for a company who supplies a LAWN interface unit (local-area wireless network) that connects to the serial port of a PC.

The name of the company is: O'Neill Communications (Princeton, NJ).

An article in June 1990 Byte on wireless LANs mentioned this company but gave no further details on their whereabouts.

Thanks for any help.

John (VK3DWT) .

The LAWN as well as other higher speed units may be purchased from INTERCOMP located in Culver city ca.

Phone (213) 474 5243, ask for Bryon and tell him Don Sent you

Regards

Don Moberly

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Date: Tue, 5 Mar 1991 14:55:47 -0500  
From: oler@HG.ULeth.CA (CARY OLER)  
Subject: MAJOR SOLAR FLARE ALERT #2 - 05 MARCH (VERY HIGH SOLAR ACTIVITY)  
To: info-hams@ucsd.edu

-- MAJOR SOLAR FLARE ALERT --

MARCH 05, 1991  
Alert #2

\*\* WARNING - VERY HIGH SOLAR ACTIVITY \*\*  
Flare Event Summary  
Potential Impact Forecast

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#### MAJOR ENERGETIC EVENT SUMMARY

Two more major X-class flares have erupted in the last 12 hours. This makes a total of six major energetic flares in about the last 24 hours. Solar activity is VERY HIGH!

A powerful class X2.0/3B flare exploded from Region 6438 at a location of S21E86 at 09:14 UT on 05 March. The flare began at 09:37 UT, peaked at 09:14 UT and ended at 10:16 UT. No sweeps were observed from this event.

A major flare erupted off the southeast limb from Region 6537 at a location of S09E69 at 17:21 UT on 05 March. This flare was rated a class X1.4/2N flare. It began at 17:15 UT, peaked at 17:21 UT and ended at 17:32 UT. No sweeps were observed from this flare.

Region 6438 is the largest and most complex region rotating into view around the eastern limb. This region is still too close to the limb to discern any significant detail. However, the frequency and power of the recent flare activity is indicative of very high magnetic gradients and complexity. This region is expected to continue to produce major flares and many X-class level flares over the next week.

Region 6437 was somewhat of a surprise. It is optically small and seemingly simple. However, it somehow managed to spawn a class X1.4/2N major flare at 17:21 UT. This event (and most of the others) was associated with an intense short-duration SID/SWF. Blackout conditions on the HF bands occurred as high as 15 MHz.

#### POTENTIAL TERRESTRIAL IMPACT FORECAST

Major flaring will continue for at least the next two to three days, and possibly throughout the coming week. High intensity SID's/SWF's will occur in synchronism with these events. SID durations could exceed 30 to 45 minutes in some of the more powerful events. VHF SID-induced signal enhancements are likely, with possible DX conditions for VHFers during periods of SID activity. Frequent SIDs are expected over the coming week.

There is not expected to be any terrestrial impacts (ie. proton, geomagnetic, etc.) from these recent flares. They are still too far east. Proton activity could increase (if flaring continues) within approximately the next 4 to 8 days. High probabilities for proton and PCA activity will occur as Region 6438 crosses into the western hemisphere near 12/13 March, provided major flaring continues for that long.

Major Flare Alerts and/or updates will continue to be posted on a daily basis throughout the coming week, or until activity diminishes.

\*\* End of Alert \*\*

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Date: Wed, 6 Mar 1991 01:23:53 -0500  
From: oler@HG.ULeth.CA (CARY OLER)  
Subject: MAJOR SOLAR FLARE ALERT - 06 MARCH (OTHER INFO INCLUDED)  
To: info-hams@ucsd.edu

-- MAJOR SOLAR FLARE ALERT --

MARCH 06, 1991  
Alert #1

Flare Event Summary  
Potential Impact Forecast  
Other Informational Notes

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#### MAJOR ENERGETIC EVENT SUMMARY

Another major flare erupted off the southeast limb. The event began at 23:24 UT on 05 March, peaked at an x-ray level of M6.2 at 23:29 UT on 05 March, and ended at 00:46 UT on 06 March. This event was optically uncorrelated. The fact that this flare was optically uncorrelated points to the likelihood that part of the flaring region(s) are still beyond the east limb. No sweeps were observed from this latest flare.

Region 6538 is still rotating into view and is not yet in a good position for detailed observations. We are therefore, unable to determine just what sort of characteristics this region posesses. More will become known over the next 2 days.

#### POTENTIAL TERRESTRIAL IMPACT FORECAST

This latest energetic event will have no terrestrial impacts. It was well out of range and too far east, as were the other major events of 05 March.

There have been numerous SID's and SWF's coincident with the major flare activity today. Six notable SWF's have been observed. Frequencies have been affected up to 30 MHz. Some brief HF blackouts have occurred during the flash phase of the flaring. Frequencies most heavily affected have been those below 15 MHz. SID's and SWF's will continue over the next several days at least, as major flaring continues.

Major flaring is expected to continue for at least the next three days. There is a high probability that major flaring will include large X-class flares of optical classes 2 and 3. No proton activity is expected at the present time. The regions are still too far east for proton activity to occur.

#### OTHER INFORMATIONAL NOTES

Minor to major high latitude geomagnetic storming occurred over the past 24 hours, particularly between 06:00 UT and 15:00 UT on 05 March. The

cause of this activity is presently unknown. Magnetic storming has returned to more quiet levels now.

Activity is expected to increase to generally unsettled levels over middle latitudes over the next 24 to 48 hours. A coronal hole will soon be capable of influencing magnetic activity. High latitudes will experience generally active conditions. Brief localized minor storming will be possible over some high latitude regions.

HF propagation conditions have rebounded recently. MUF's have increased due to the emergence of the new active regions on the east limb. However, fading and periods of distortion have also been observed as a result of the barrage of recent major flares. This trend is expected to continue for at least the next three days.

Signal enhancements in VHF bands are possible over the coming days coincident with major flaring. However, some distortion and instability in signals propagating via SID enhancements are likely. These conditions should persist for at least the next three days.

Auroral activity has increased recently over the high latitude regions. Moderate auroral activity (with possible brief bursts of high auroral activity) are possible over the next three days (ending 08 March, inclusive) over the high latitude regions. No southward expansion is expected, hence the northerly middle latitudes should witness low levels of auroral activity during the moonless hours of the evening. The southerly middle and low latitudes will not witness any auroral activity at this time. However, it may be of interest to note that if solar activity persists at high levels as Region 6538 transits the solar disk, major auroral and geomagnetic storming could occur. Such terrestrial effects will not likely be possible until sometime after 09 or 10 March.

Current projections give Region 6538 the following information on the given dates below:

Date	Location	Impact Probability (rough)
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08 Mar	- S24E52	- 25.0%
09 Mar	- S24E39	- 48.1%
10 Mar	- S24E26	- 69.8%
11 Mar	- S24E13	- 82.1%
12 Mar	- S24W00	- 85.0%

The impact probability is only a rough estimate given a major long duration energetic event with moderate to high intensity Type II and IV sweeps. The percentages only represent the chance of a major flare increasing terrestrial geophysical activity. These percentages are not representative of possible proton impacts (which become more likely after the region has

crossed into the western hemisphere).

Continue to watch for further major flare alerts and possible terrestrial impacts over the coming days. Daily updates will continue to be posted for as long as necessary.

\*\* End of Alert \*\*

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End of Info-Hams Digest

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